



**PAULWEGENER**  
MESSTECHNIK SEIT 1921

**Operating manual**

Power supply

**PWBlogg**



Type: SV12VEx2

### **Intended use**

The power supply unit PWBlogg-SV12VEx2 is exclusively designed for system voltage supply of the data logger type series PWBlogg. The law, standards and guidelines as appropriate to the intended operation purpose must be followed. The power supply unit is approved for appropriate and intended use in the potentially explosive area of the zone 2.

### **Safety and warning notices**

Installation, start-up and maintenance must only be done by specialist staff. In doing so, any respective safety and accident prevention regulation must be followed.

Before start-up make sure that:

- power connection has been done professionally and electric strike protection is ensured,
- the power supply unit is switchable into a state of dead-voltage outside of the device (e.g. by line protection on the primary side) subject to the provisions of EN 60950,
- line protection is connected,
- the supply line is sufficiently secured and dimensioned according to the current to be conducted!
- the successive mechanic and thermal limits are not exceeded during operation,
- any live item is protected with IP54 subject to EN 60529 (including supply and delivery lines) during operation,
- requirements of the EN 60070-14 are followed!

The device must be put out of operation and instantly taken out of the ex-area if it is damaged (including supply and delivery line), has been improperly loaded or stored and has malfunctions respectively!

### **Servicing, maintenance and troubleshooting**

The power supply unit is maintenance-free and no modifications must be made. In case of a malfunction, check-up and repair will be exclusively done by manufacturer.

Contraventions release from any warranty and manufacturer responsibility!

**Technical specifications:**

Input voltage:	230 V AC
Frequency:	50 Hz
Input fuse:	temperature fuse 130°C
Recommended pre-fuse:	line safety switch 6 A characteristic B
Output voltage:	12 V DC / $\pm 1\%$
Max. output current (-20 up to 60°C):	600 mA
Nominal power:	10 VA
Explosion protection:	⊕ II3G Ex nA II T4
Ambient temperature:	-20 up to 60°C
Safety class:	IP65
Housing:	Al Si 12 / DIN 1725 (weight proportion < 7,5% magnesium)
Dimensions w / h / d:	80 mm x 110 mm x 65 mm
Weight:	1,0 kg

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## EG-DECLARATION OF CONFORMITY

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Herewith we declare that the power supply unit type

### **PWBlogg-SV12VEx2**

complies with the directive **2004/108/EG** in reference to electromagnetic compatibility and **94/9/EG** for use according to regulations in consideration of explosion-hazard areas. The data acquisition system was developed according to following harmonizing of standards:

- EN 61000-6-3** subject basic standard for emitted interference – emitted interference for living quarters, business- and trade as well as small firms
- EN 61000-6-2** subject standard for interference resistance – industrial sector
- EN 60079-0** electrical equipment for potentially explosive atmosphere, section 0: general requirements
- EN 60079-15** electrical equipment for explosion-hazard areas, section 15: construction, test and marking of electrical equipment of ignition protection type „n“

Marking for safe use in explosion-hazard areas with category 3G (zone 2):



Manufacturer:

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**The safety advice of the product documentation must be followed!**

Ballenstedt, 01.08.2013

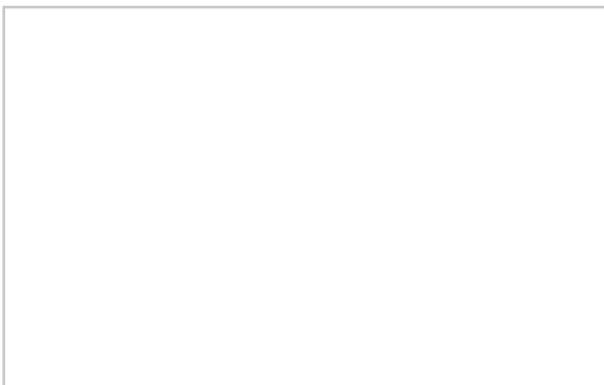
A handwritten signature in black ink, appearing to read 'J. Wegener'.

Wegener  
Managing Director









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